Tony Gee
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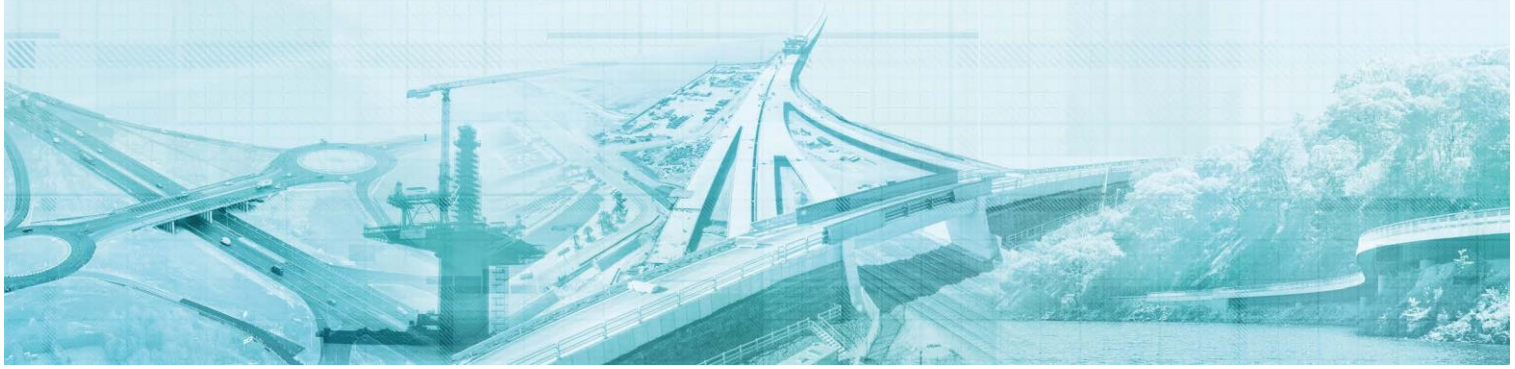
Bean Tunnel

Light Spill Analysis

Balfour Beatty

Document no: BRT-TG-XX-ZZ-TN-LI-1302

Revision: P01 Date: 16/07/2021



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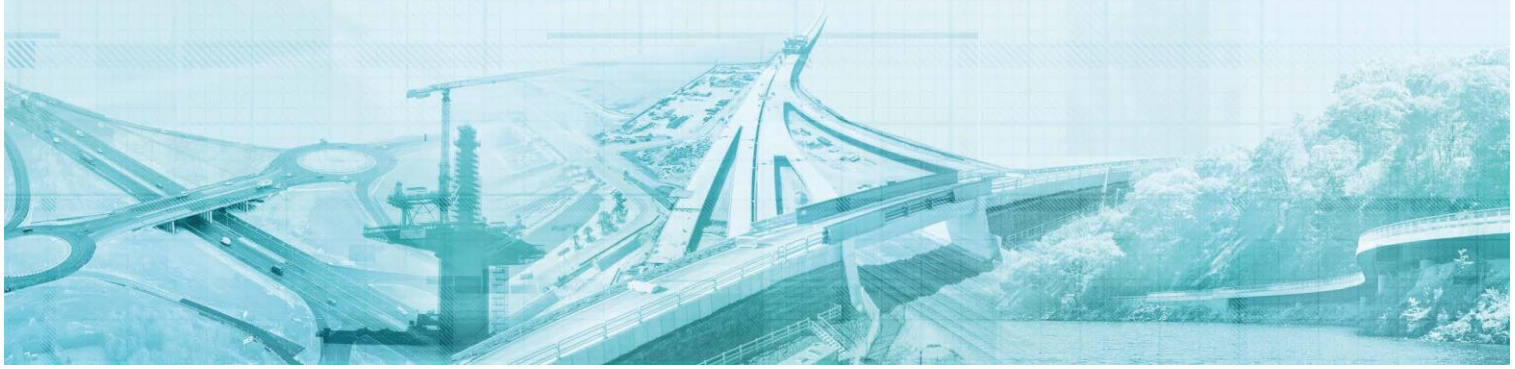

Document Issue Record

Project:	Bean Tunnel
Report Title:	Light Spill Analysis
Client:	Balfour Beatty
Document No:	BRT-TG-XX-ZZ-TN-LI-1302
Revision:	P01
Status	S3 - Suitable for review and comment (for approval)
Date:	16/07/2021
Filename:	BRT-TG-XX-ZZ-TN-LI-1302

Rev	Date	Description and Purpose of Issue	Prepared	Reviewed	Approved
P01	16/07/21	First Issue	AE	GH	GH

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Bean Tunnel – 3D Light Spill images

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Pseudo Colours Key

Lux	Colour
0.00	950400
0.10	ad4b0a
0.20	e4b116
0.50	008010
1.00	93f9c0
2.00	cbfcfe
5.00	03ff3c
10.00	3b027a

Figure 1 - All lighting on, feature and functional dimmed to 30%, street lighting dimmed to 50% (Luminance)

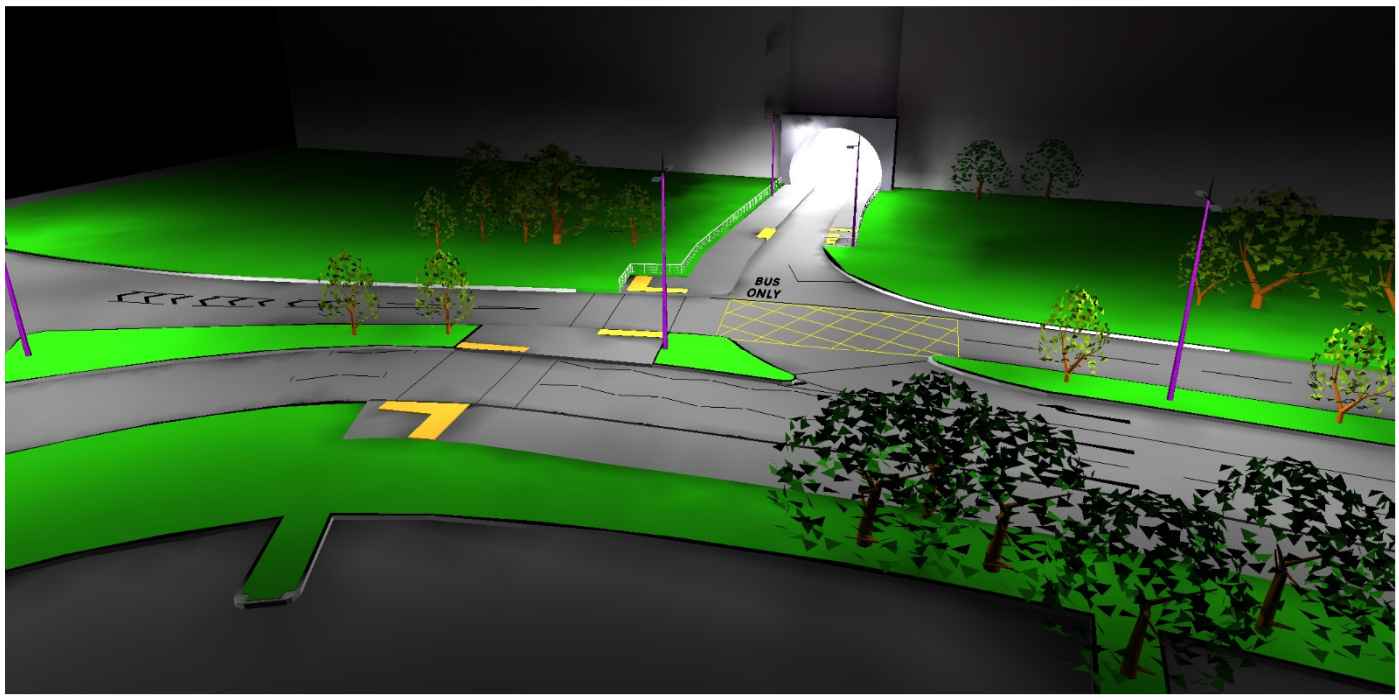

Figure 2 - All lighting on, feature and functional dimmed to 30%, street lighting dimmed to 50% (Pseudo colours)

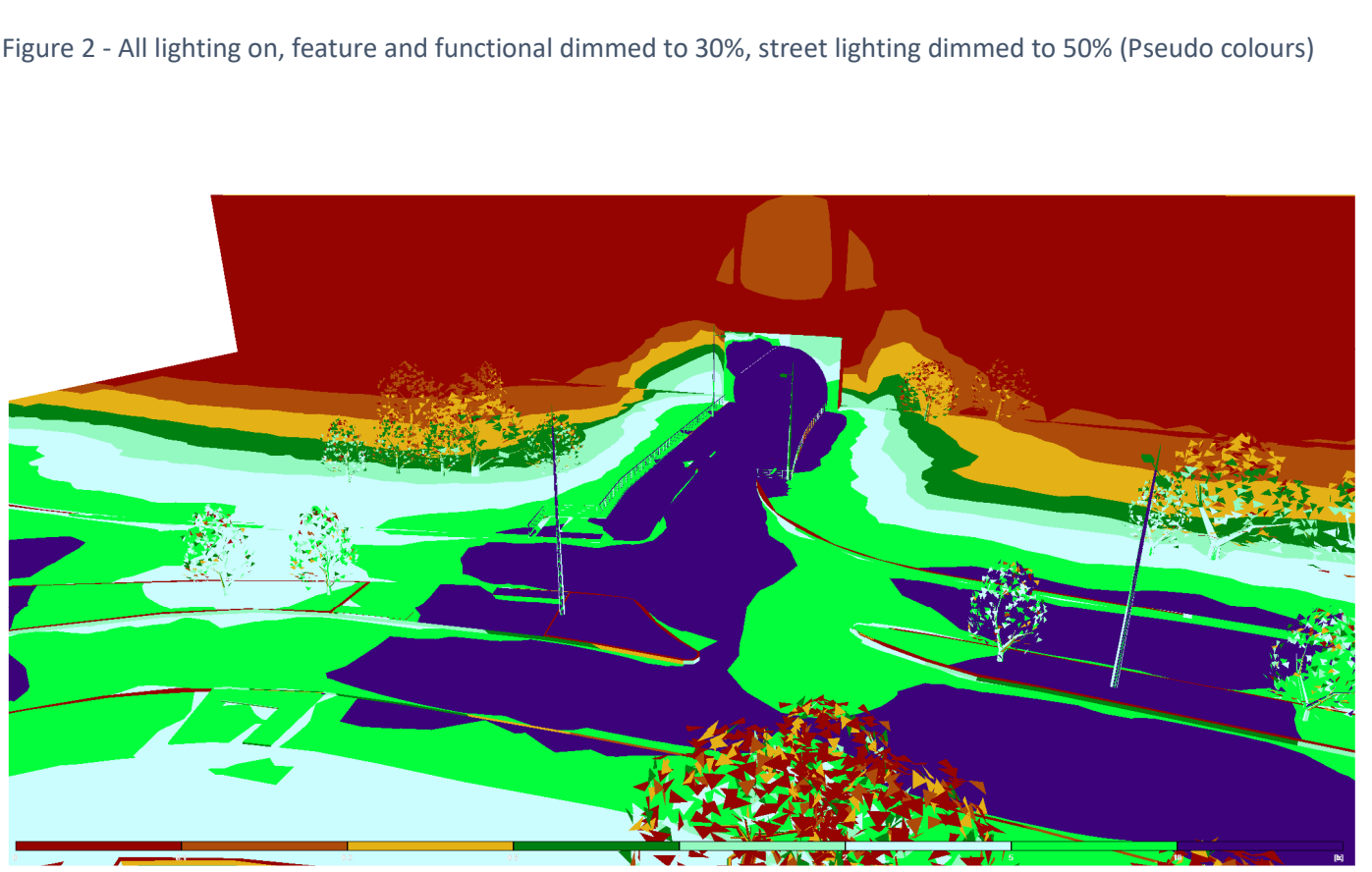

Figure 3 - Western portal entrance area by LC01 and LC02 (illuminance results)

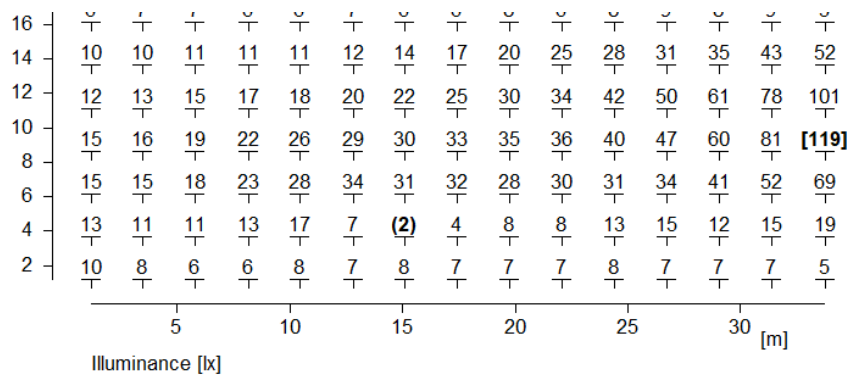

Figure 4 - Western portal entrance, by LC01 and LC02, plan view (Pseudo Colours)

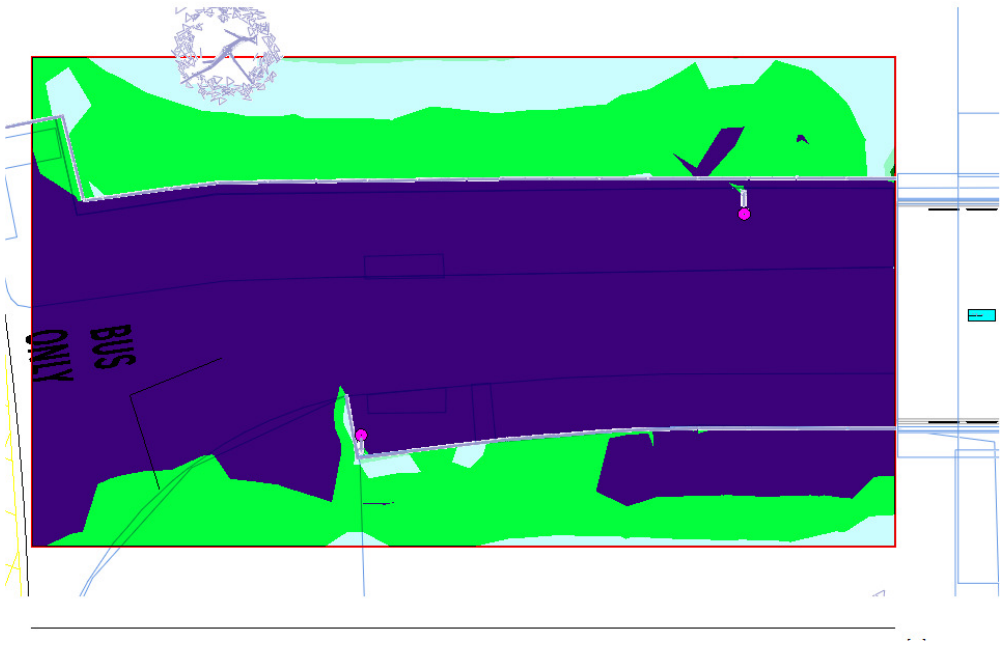

Figure 5 - Only functional lighting on - dimmed to 30% (Luminance)

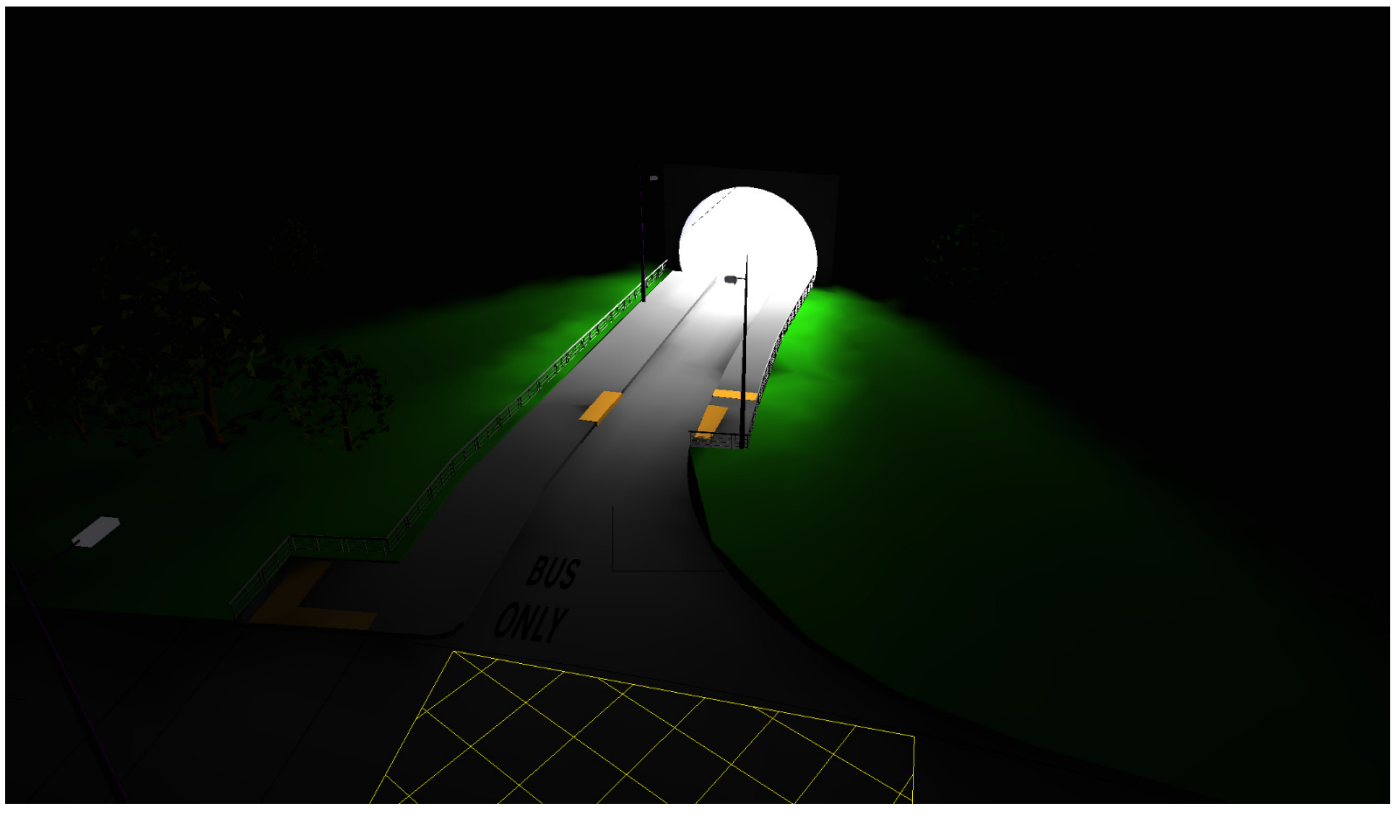

Figure 6 - Only functional lighting on - dimmed to 30% (Pseudo Colours)

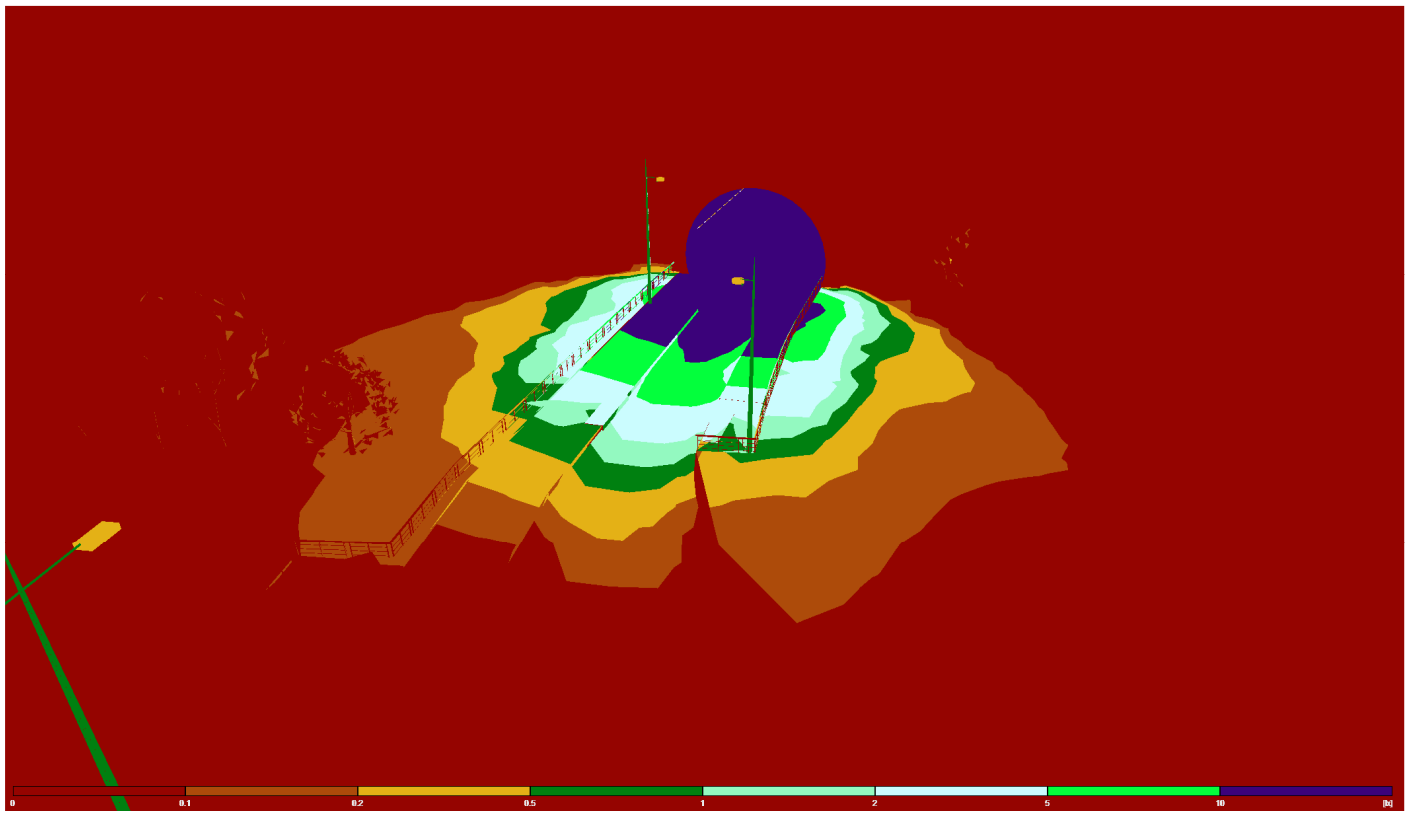

Figure 7 - Western portal entrance area by LC01 and LC02, plan view (Pseudo Colours)

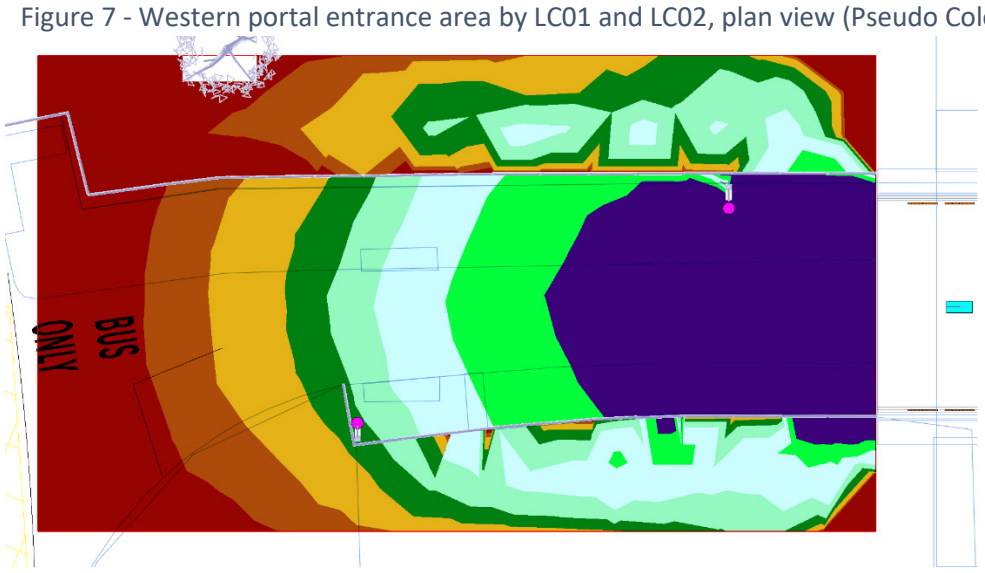

Figure 8 - Western portal entrance area by LC01 and LC02 (illuminance results)

Illuminance [lx]

[m]															
18	**(0)**	**(0)**	0.1	0.1	0.1	0.2	0.3	0.5	0.4	0.4	0.6	0.8	1.2	1.1	**(0)**
16	**(0)**	**(0)**	0.1	0.1	0.1	0.3	0.2	0.6	2	1.3	1.7	0.5	1	3.7	0.7
14	**(0)**	0.1	0.1	0.2	0.4	0.7	1.6	3.5	5.9	8.3	10	13.6	19.4	26.2	37.3
12	**(0)**	0.1	0.1	0.3	0.5	1.1	2.5	4.7	7.2	9.8	13.2	19.3	29.4	49.1	77.6
10	**(0)**	0.1	0.1	0.3	0.5	1.2	2.6	5.1	7.9	10.3	14.1	20.9	33.5	57.3	**[98.3]**
8	**(0)**	0.1	0.1	0.2	0.4	0.9	2.2	4.1	6.5	9	11.8	16.1	24.1	37	54.6
6	**(0)**	0.1	0.1	0.2	0.3	0.5	1.2	2.6	1.8	1.1	3.7	5.6	1.7	5.3	10.2
4	**(0)**	**(0)**	0.1	0.1	0.1	0.2	0.5	0.9	1.4	1.6	2.2	1.7	1.5	2.2	0.2
2															
	5		10		15		20		25		30	[m]			

Figure 9 - Only feature lighting on, dimmed to 30% (Luminance)

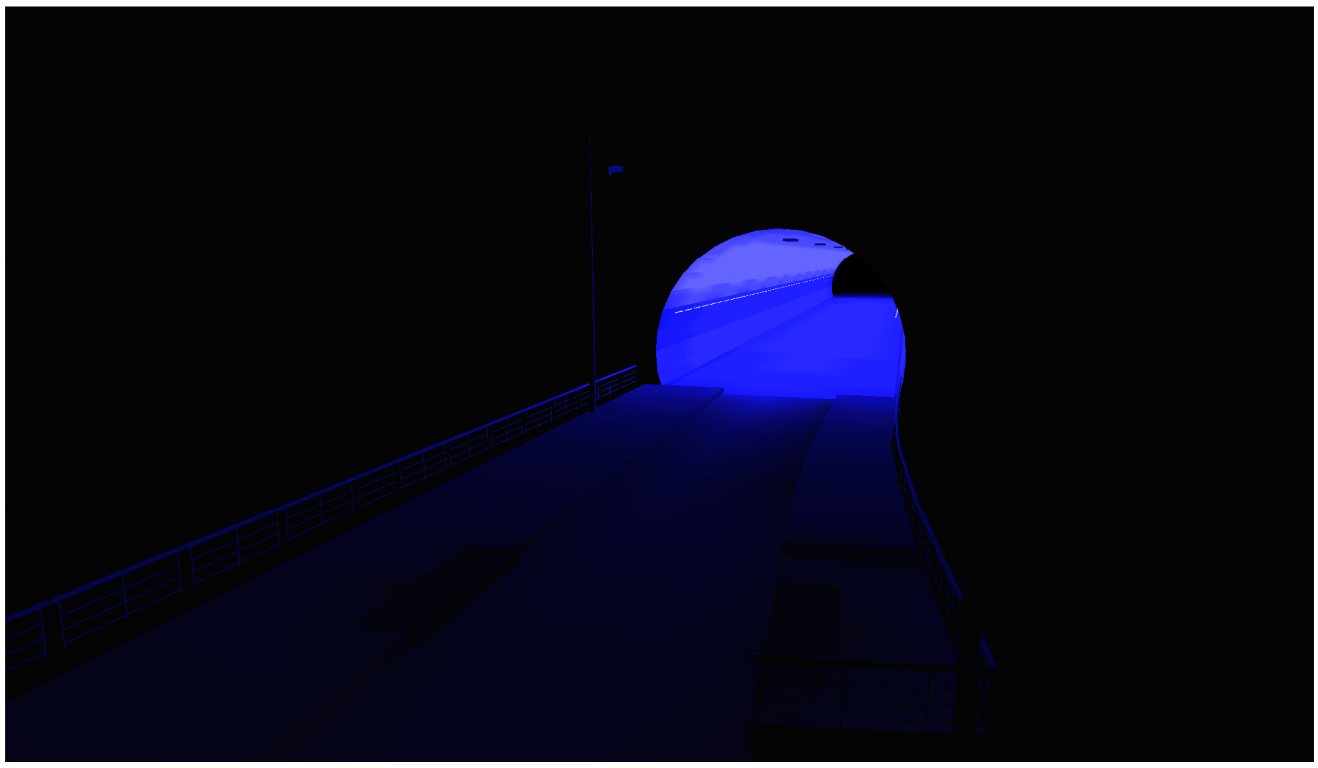

Figure 10 - Only feature lighting on, dimmed to 30% (pseudo colours)

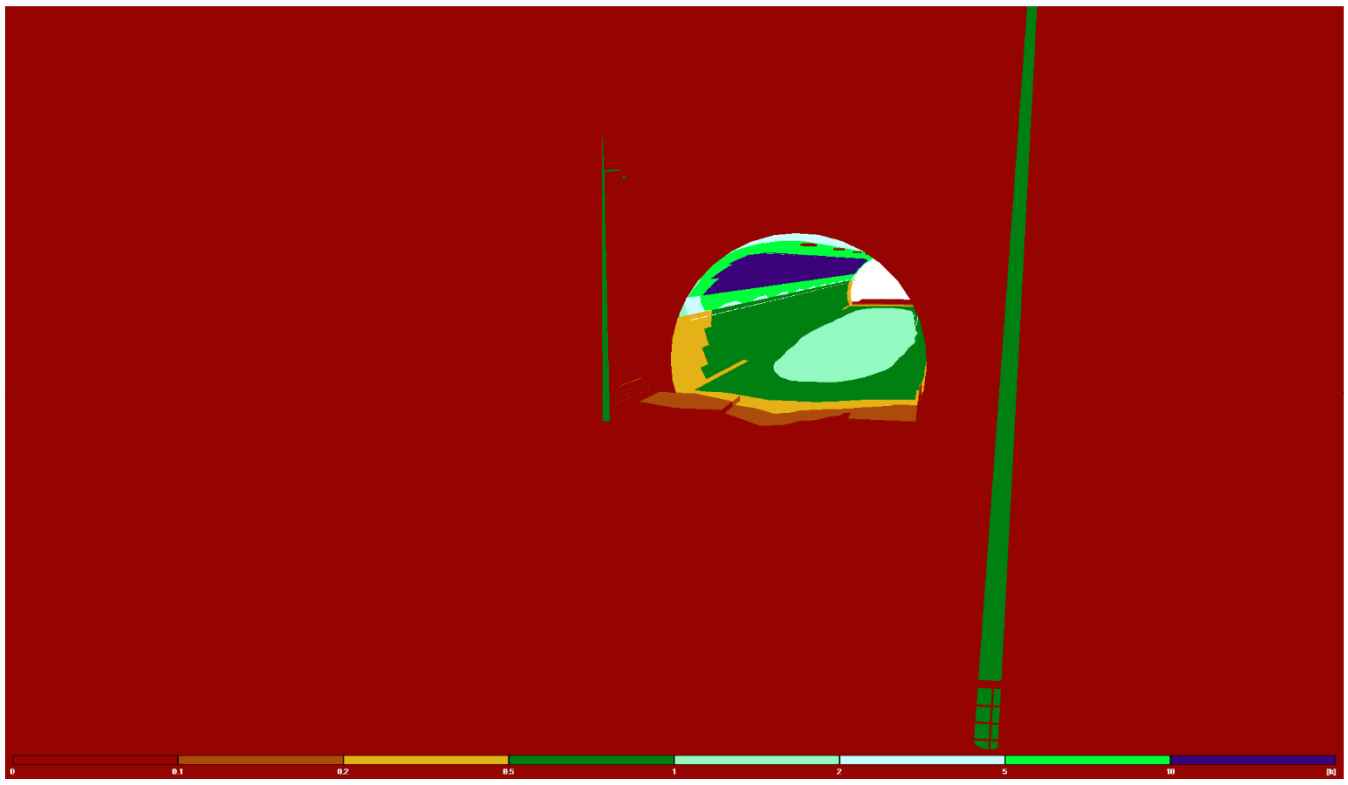

Figure 11 - Western portal entrance area by LC01 and LC02, plan view (Pseudo Colours)

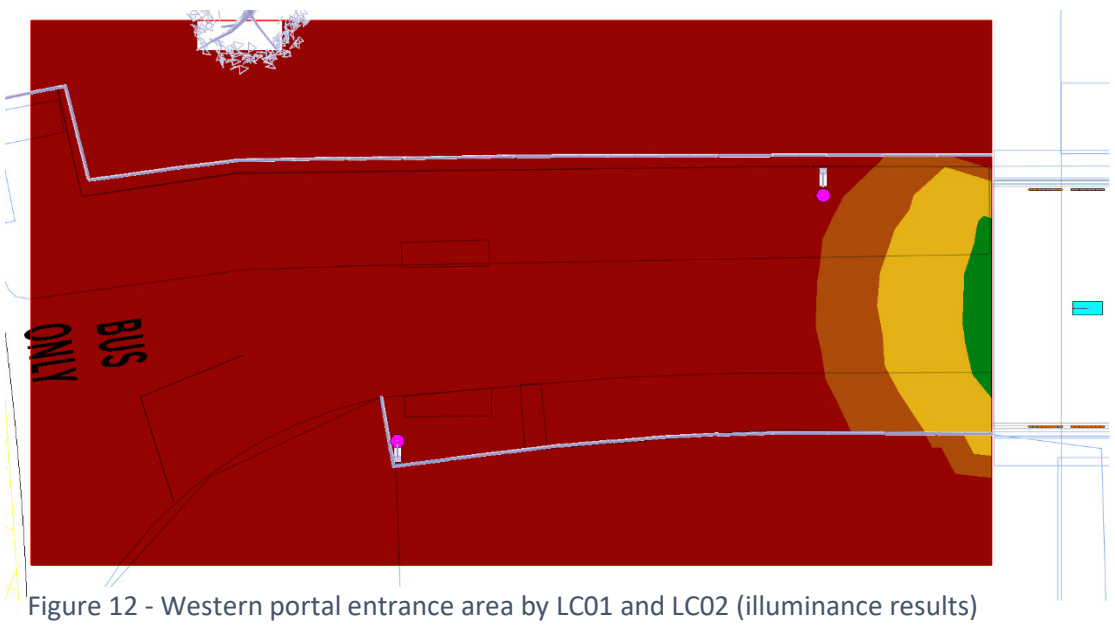

Figure 12 - Western portal entrance area by LC01 and LC02 (illuminance results)

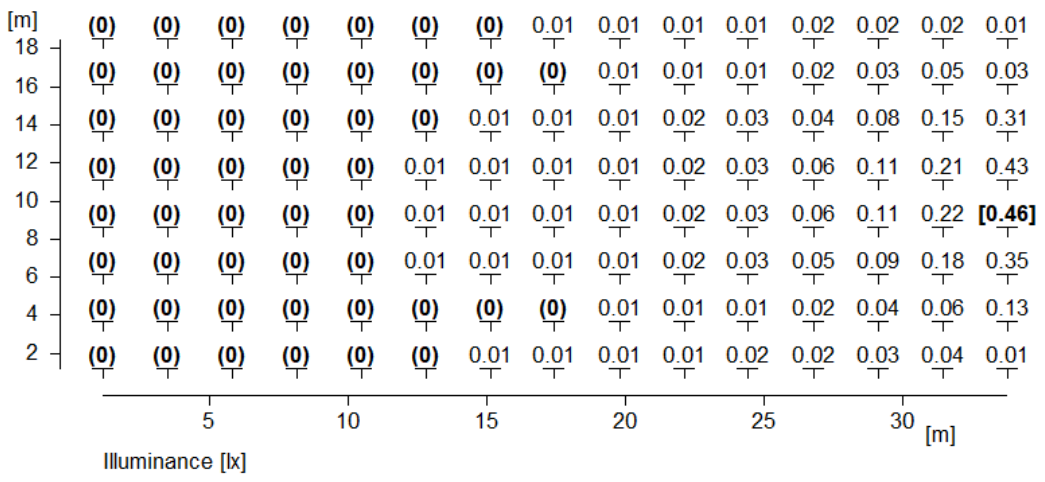

Figure 13 - Only LC01 and LC02 on, dimmed to 50%

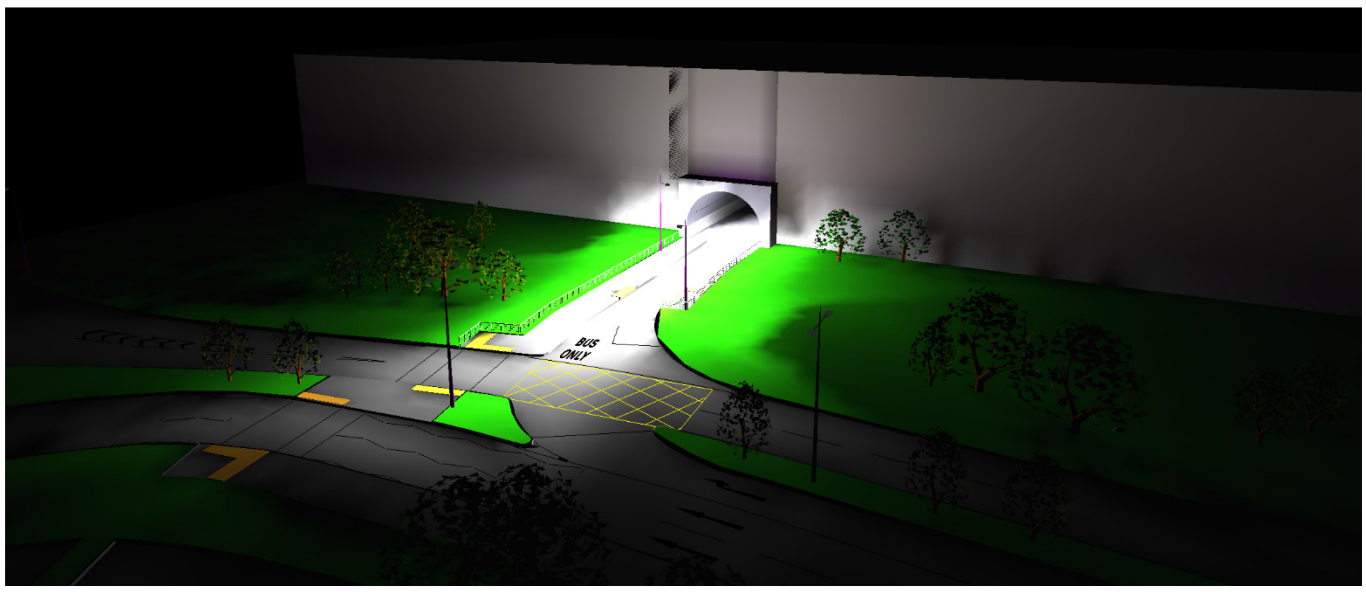

Figure 14 - Only LC01 and LC02 on, dimmed to 50% (pseudo colours)

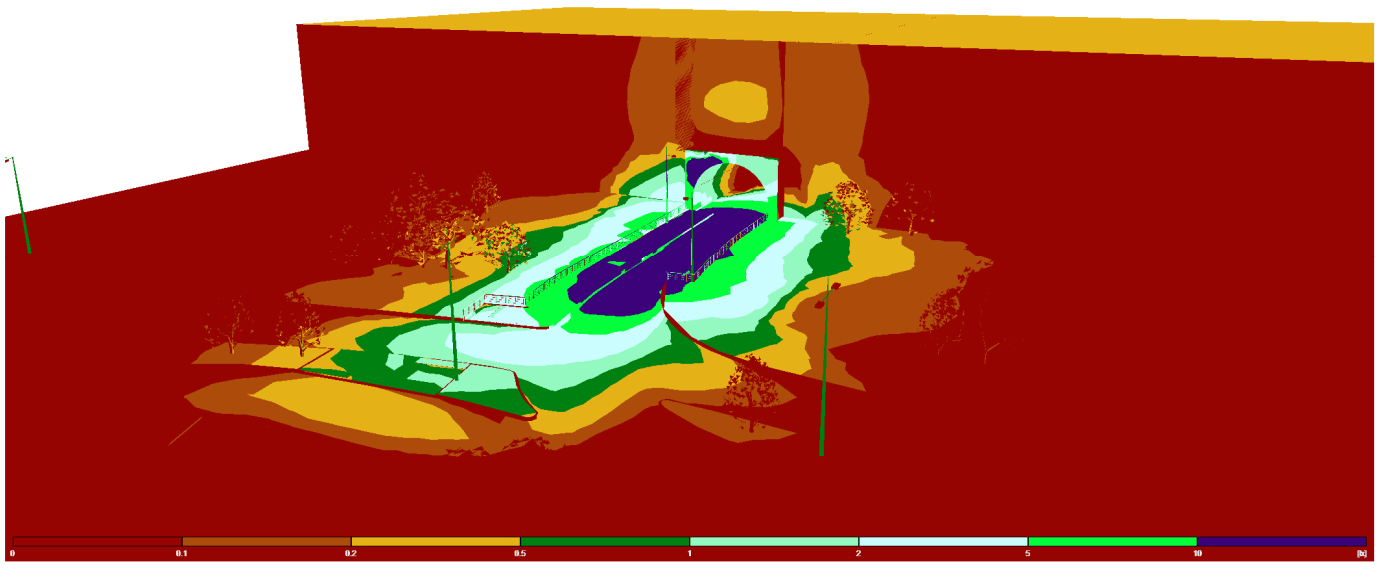

Figure 15 - Western portal entrance area by LC01 and LC02, plan view (Pseudo Colours)

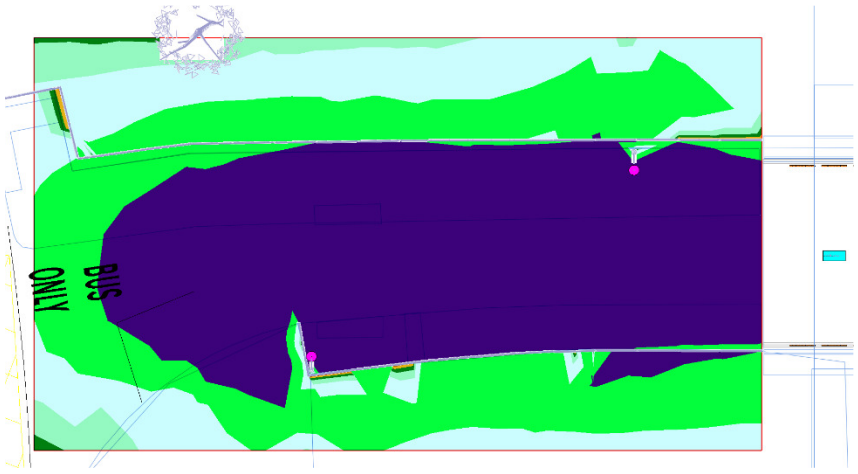

Figure 16 - Western portal entrance area by LC01 and LC02 (illuminance results)